

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1 (Currently Amended): A method for testing a server with mixed workloads, where multiple clients serving as agents and a controlling device are connected with a server under test via a network, characterized in that: said method comprising steps of:

the third party develops developing one or more workload case configure utilities corresponding to one or more workload cases, each of said utilities implements implementing a workload case configure utility interface;

the third party develops developing one or more workload engines corresponding to one or more workload ease cases, each of said engines implements implementing a workload engine interface;

said controlling device econfigures configuring workload cases by calling corresponding ones of said workload case configure utilities through said workload case configure utility interface, and transfers transferring the information collected during the configure process to corresponding agents;

each of said agents controls controlling a corresponding workload engine through said workload engine interface to generate multiple kinds of workload requests by using the information collected during the configure process, and sends concurrently sending said requests to the server; and

said controlling device collects collecting response information from all the agents, and generates generating test results.

2 (Currently Amended): The testing method according to claim 1, characterized in that, wherein said workload case configure utility interface includes function that let the framework invoke the third partys newly defined workload configure utilities to define new workload cases for various

test purpose.

3 (Currently Amended): The testing method according to claim 1, characterized in that, wherein said workload interface includes function of enabling workload setup, control and monitor.

4 (Currently Amended): The testing method according to claim 1, characterized in that, wherein said one or more workload case configure utilities are located in said controlling device, said one or more workload engines are located in one or more agents.

5 (Currently Amended): The testing method according to claim 4, characterized in that, wherein said configure process configuring workload cases step is implemented by a controller located in said controlling device, and said controller can communicate communicating with said agents.

6 (Currently Amended): The testing method according to claim 5, characterized in that, wherein said workload engines are controlled by agent adapters located in said agents and said adapters communicate communicating with said controlling device.

7 (Currently Amended): The testing method according to claim 5, characterized in that, wherein said configure process configuring workload cases step further comprises steps of:

selecting one workload type from an available workload list;

activating a corresponding workload case configure utility according to the selected type;

said one or more workload case configure utility configure workload case corresponding to said workload type and transfer transferring the configure information to said controller;

said controller designates designating network addresses of one or more agents which will generate workload requests corresponding to said workload case[[]], and the a client number simulated by each of said designated agents.

8 (Currently Amended): The testing method according to claim 7, characterized in that, wherein said workload case configure utility collects information for generating workload requests for said workload case.

9 (Currently Amended): The testing method according to claim 1, characterized in that, wherein said information collected during configure process at least includes workload case and its configure information, and the a client number simulated by corresponding agent(s).

10 (Currently Amended): The testing method according to claim 6, characterized in that, wherein each of said agent adapters sends the transferred information to corresponding workload engine; said workload engine sends the response information to said agent adapter dynamically.

11 (Currently Amended): The testing method according to claim 1, characterized in that, further comprising the step of said controller controlling the start and the end of the test by sending commands to said agents.

12 (Currently Amended): A testing framework system for testing a server with mixed workloads, where multiple clients serving as agents and a controlling device are connected with a server under test via a network, characterized in that: wherein

the controlling device comprising, comprises:

a controller for coordinating all the other components multiple client agents;

a workload case configure utility interface that enables third parties to develop development of one or more workload case configure utilities that can be incorporated into the framework system;

said workload case configure utilities allowing third parties to describe generation of specific test requirements,

each of said multiple client agents comprising[[],]:

an agent adapter that receives commands and information from said controller and returns the server's response information to said controller;

a workload engine interface that enables development of one or more workload engines developed by third parties to be incorporated to within said framework system, said workload engine receives engines receiving commands and information from said agent adapter to generate multiple kinds of workload requests, sends concurrently sending requests to the server and receives receiving response information from the server.

13 (Currently Amended): The framework system according to claim 12, characterized in that, wherein said workload case configure utility interface includes a function that let enables the framework to invoke the third party's newly defined workload case configure utilities to define new workload cases for various test purpose.

14 (Currently Amended): The framework system according to claim 12, characterized in that, wherein said workload engine interface includes a function of enabling workload case setup, control and monitor.

15 (Currently Amended): The framework system according to claim 12, characterized in that, wherein said controller configures workload cases by calling said workload case configure utilities through said workload case configure utility interface, designates network addresses of one or more agents which will generate workload requests for individual configured workload cases and the a client number simulated by each of said designated agents, and then transfers the information collected during the configure process to corresponding one or more agent adapters.

16 (Currently Amended): The framework system according to claim 12, characterized in that, wherein said workload case configure utilities collect information for generating workload requests for said workload cases respectively.

17 (Currently Amended): The framework system according to claim 12, characterized in that, wherein said information collected during configure process at least includes workload case and its configure information, and the a client number simulated by corresponding agent(s).

18 (Currently Amended): The framework system according to claim 12, characterized in that, wherein said controller controls the start and the end of the test by sending commands to client agents.

19 (Currently Amended): The framework system according to claim 12, characterized in that, wherein said controller receives the response information from said agent adapters dynamically.

20 (Currently Amended): The framework system according to claim 12, characterized in that, wherein said controlling device further comprises, a workload case repository that stores the developed workload cases defined by third parties and the information collected during configure

process.

21 (Currently Amended): The framework system according to claim 20, characterized in that, wherein said controlling device further comprises, a workload engine repository that stores the developed workload engines defined by third parties.

22 (Currently Amended): The framework system according to claim 12, characterized in that, wherein each of said agents has at least one workload engine.